

PAJ Symposium 2010

Australian response arrangements & recent spills

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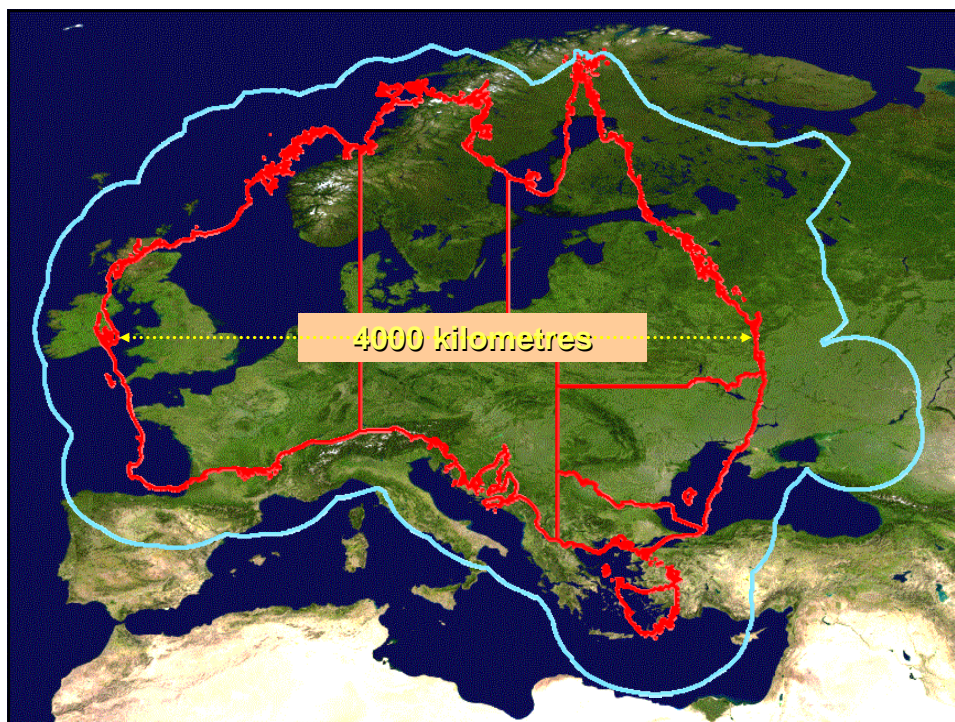


Australian response arrangements & recent Spills

- Australia
- Response Arrangements
- Recent Spills

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Maritime Zone



- 3rd largest EEZ – 8.232 m km²
- Spans almost 60° in lat / 72° in long
- 12,000 islands
- 59,736 kms of coastline
- Covers all 5 of world's ocean temperature zones – tropical; subtropical; temperate; sub polar & polar
- Maritime boundaries with 6 nations – PNG; NZ; Indonesia; East Timor; Solomon Islands & France

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Maritime facts



- 5th largest user of shipping in the world in terms of tonnage carried and distance travelled
- 19,000 overseas shipping arrivals
- Over 600 million tonnes carried (value A\$200b)
- Primary products – bulk commodities (iron ore; bauxite; coal, LNG); agricultural products (wheat, sugar, meat, wool,)

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Australian Arrangements

- Government
- Industry
- International

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Australian Arrangements

- 🌊 **Government**
- 🌊 **Industry**
- 🌊 **International**

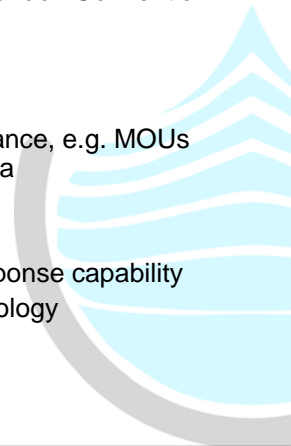
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Government Arrangements

- 🌊 **International Convention on Oil Pollution Preparedness, Response and Co-operation (OPRC 90)**
 - International Maritime Organization (IMO), London Convention
 - In force – from 1995
 - Australia is a contracting party
- 🌊 **OPRC Covers**
 - International co-operation and mutual assistance, e.g. MOUs with NZ, PNG, Indonesia and New Caledonia
 - Pollution reporting
 - Oil pollution emergency plans
 - National and regional preparedness and response capability
 - Technical co-operation and transfer of technology
 - Research and development

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Government Arrangements

🌊 Australia's National Plan



The National Plan to Combat Pollution of the Sea by Oil and Other Noxious and Hazardous Substances

A cooperative arrangement between the Commonwealth, State/NT Governments and the shipping and oil industries

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Government Arrangements

🌊 The National Plan

- Set up in 1973
- Underpinned by an Intergovernmental Agreement
- Administered by the Australian Maritime Safety Authority (AMSA)
- Funded by a levy on commercial shipping
- Planning done by national and state committees
- Holds a wide range of equipment around Australia



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Government Arrangements

Division of Responsibility

- Governments take final responsibility, via :

Statutory Agency

- Agency having statutory authority, i.e. a government agency

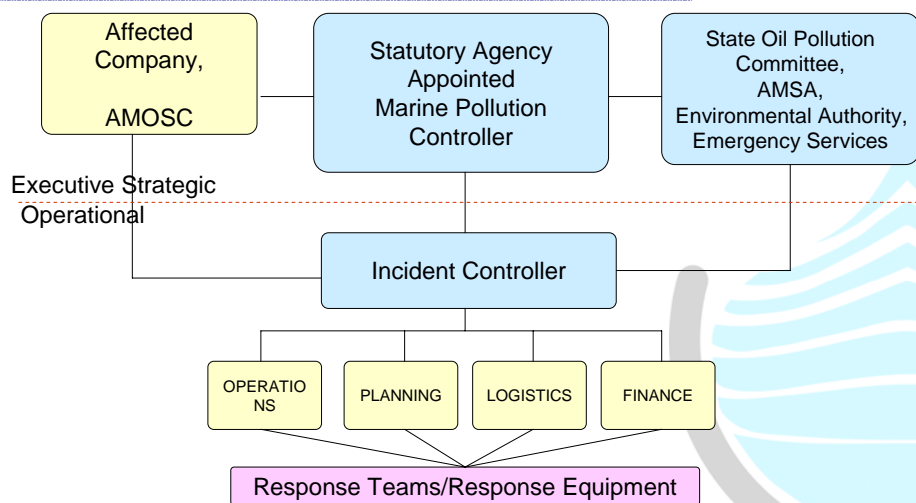
Combat Agency

- Agency having operational responsibility to take response action
- Can be either government or industry agency

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Government Arrangements

Tier 3 Response Structure



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Government Arrangement

NEMER

- Arrangements:
 - firm up EEZ intervention powers
 - ✓ based on UNCLOS Art 221
 - ✓ lower threshold than "grave and imminent danger" in Intervention Convention
 - firm up powers over ports and those ashore regarding granting of place of refuge request
- Enhanced national maritime emergency response capability
 - AMSA managed
- MERCOM [Marine Emergency Response Commander] & ETVs around coast
 - single national decision maker, Similar to UK's SOSREP

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Australian Arrangements

Industry

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- Government
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Industry Arrangements

- Oil Industry Initiatives
 - Individual company plans and resources
 - Mutual aid arrangements (AMOSPlan)
 - The Australian Marine Oil Spill Centre (AMOSC)



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Industry Arrangements

AMOSC

- Formed in 1991 as subsidiary of Australian Institute of Petroleum
- \$10 million capital cost and net \$2.1 million annual operating cost provided by 24 industry companies
- Major response equipment stockpile and training centre located in Geelong



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Industry Arrangements

The role of AMOSC is:

- Hire of equipment and resources for response to oil spills
- Provision of training in oil spill response
- Administration of AMOSPlan
- Provision of response planning and auditing services
- Representation of industry oil spill issues



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Industry Arrangements

AMOSC Response Capability

- Australia's Tier 3 equipment stockpile
- Equipment fully packaged into containers and prepared for immediate road or air transport
- Approx one third of equipment immediately available outside Australia
- Optimum combination of road or air transport used
- 5 permanent staff
- Core Group of 45 company personnel



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Industry Arrangements

AMOSC's National Plan Links

- AMOSC/AMSA Agreement makes AMOSC's stockpile an integral part of the National Plan
- AMOSC resources available for any incident regardless of source
- Industry equipment can be made available to the National Plan via AMOSC
- AMOSC contributes almost 50% to the annual cost of the National Plan



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Industry Arrangements

AMOSC Members

Participating Companies

- Apache
- BP
- Chevron
- Santos
- BHP Billiton
- Caltex
- ExxonMobil
- Shell
- Woodside

Associated Companies

- ASP Ship Management
- Conoco Phillips
- ENI Australia
- Hess Exploration
- InterOil
- Inpex Browse
- Nexus Energy
- Oil Search
- Origin Energy
- PTTEP
- Rio Tinto Alcan Gove
- Roc Oil
- Tap Oil
- Teekay Shipping
- Vermilion Energy

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Australian Response Arrangements

KEY MESSAGES

Government Arrangements
 Division of responsibility in Australia
 Legislative reasons for oil spill preparedness

Industry Arrangements
 Role of AMOSC, the AMOSPlan
 Integrated into the Australian response system

International Arrangements
 Facilities exist for access to worldwide assets

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Australia – Pacific Adventure(r)

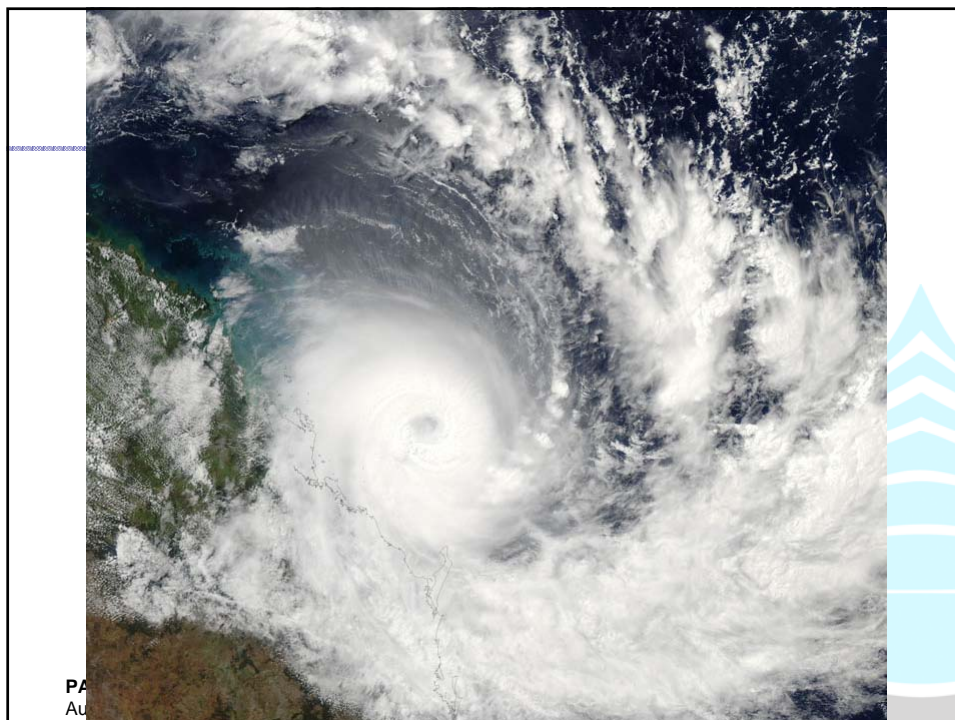
March 11th 2009

Presenter – WJ (Ivan) Skibinski - AMOSC

Presentation data:

Dale Jolly – AMOSC
Tom Budd – AMOSC
Matt Smith – AMOSC
Mike Parker – OSR
Lee Carmody – AMSA
Nerissa Bartlett - AMSA

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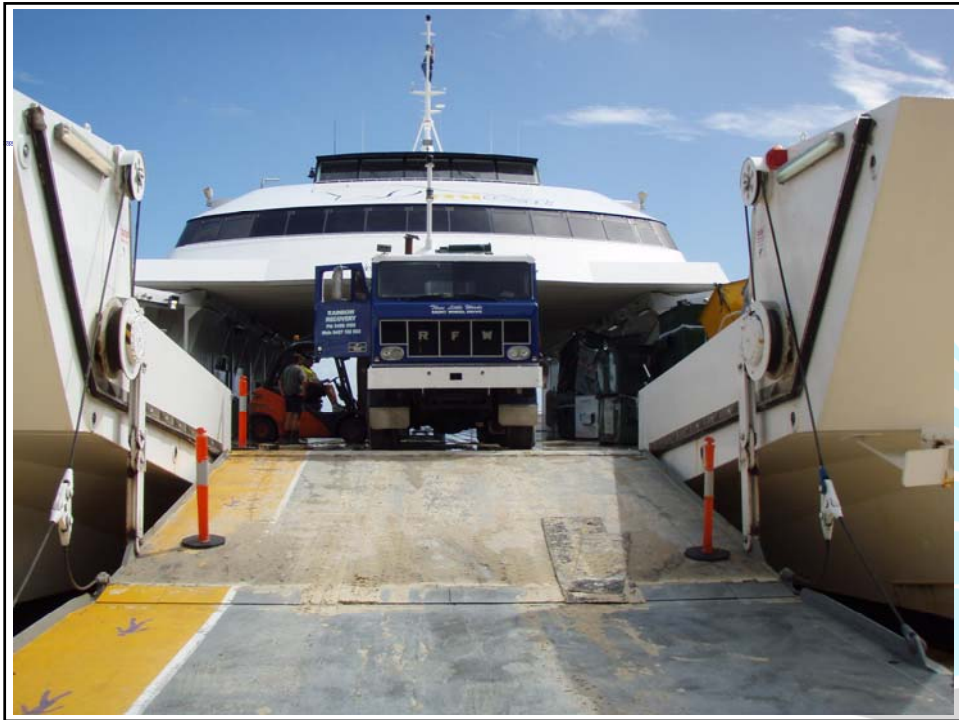
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Pacific Adventure

- Oiled locations identified
- Response teams activated
- Resources deployed
- Clean up commenced



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Pacific Adventurer

- Local response area assessed
- Polluted area define in 20m sections
- Personnel and equipment commence clean-up



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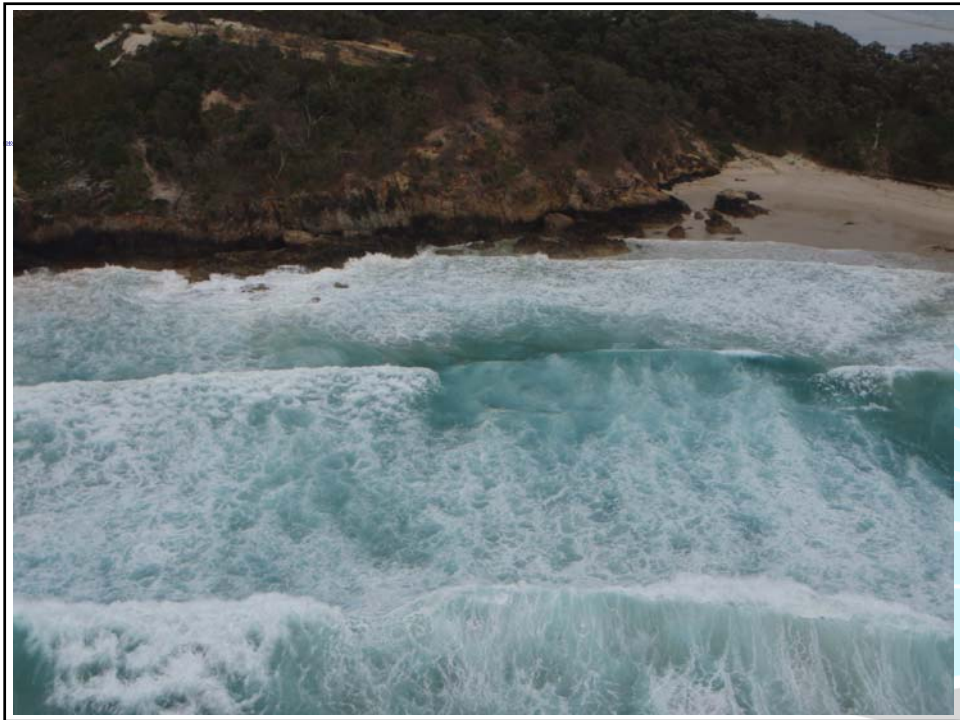
















Pacific Adventurer

- 🌊 Coastal spill
- 🌊 High amenity beaches polluted
- 🌊 Mostly low level of response required by personnel
- 🌊 High volumes of waste
- 🌊 Political pressure

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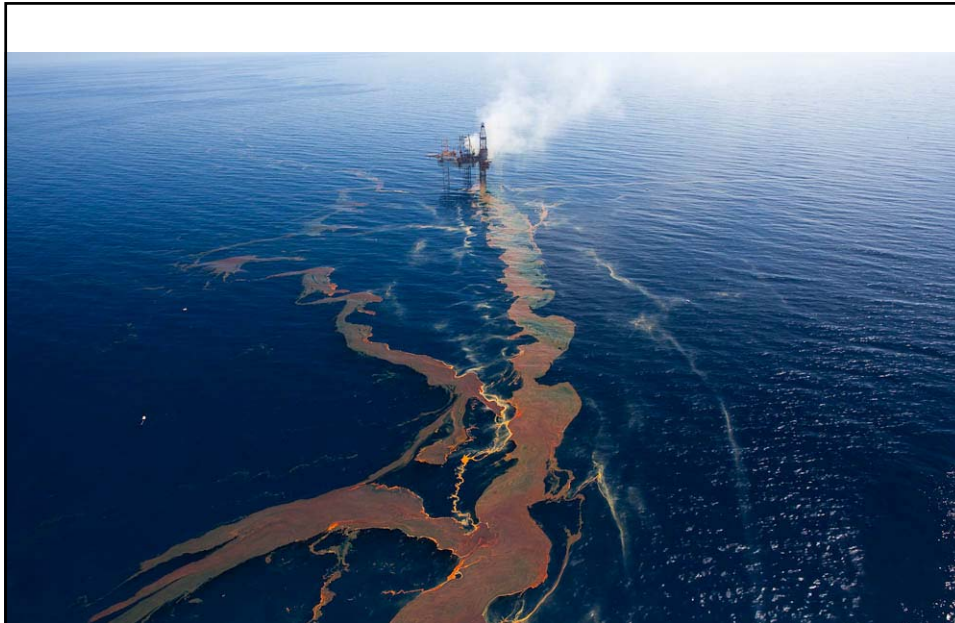
Montara

- 5:30 am Friday 21 August 2009 – wellhead failure
- Approx 64 tonnes per day
- Dispersant spraying commences 23 August 2009
- Dispersant spraying ceases 1st November, (118,000 ltr)
- Containment and recovery commences 5th September 2009
- Containment and recovery ceases 30th November (844kl)
- 247 personnel, mostly highly skilled

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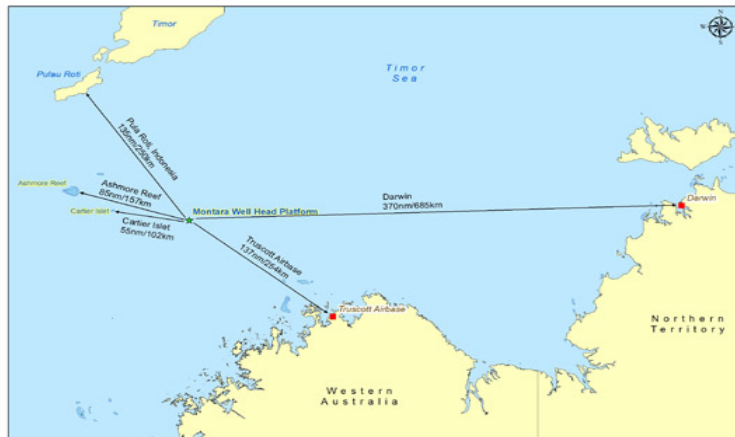
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Montara Spill



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International support – C 130 OSRL (Singapore)



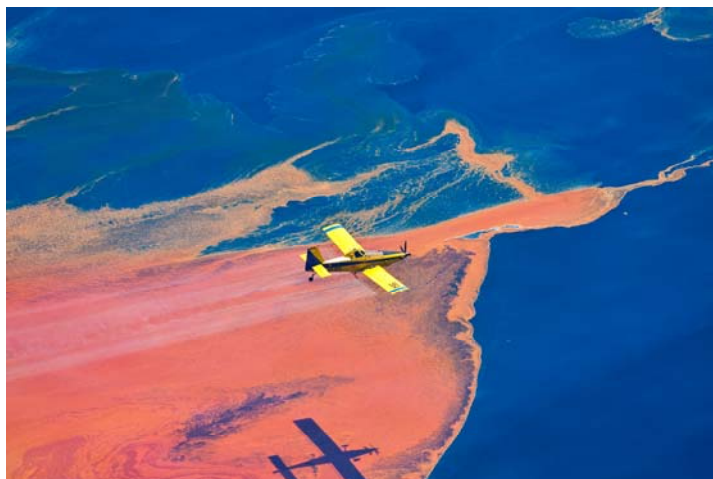
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National Fixed Wing Aerial Capability – Air Tractor

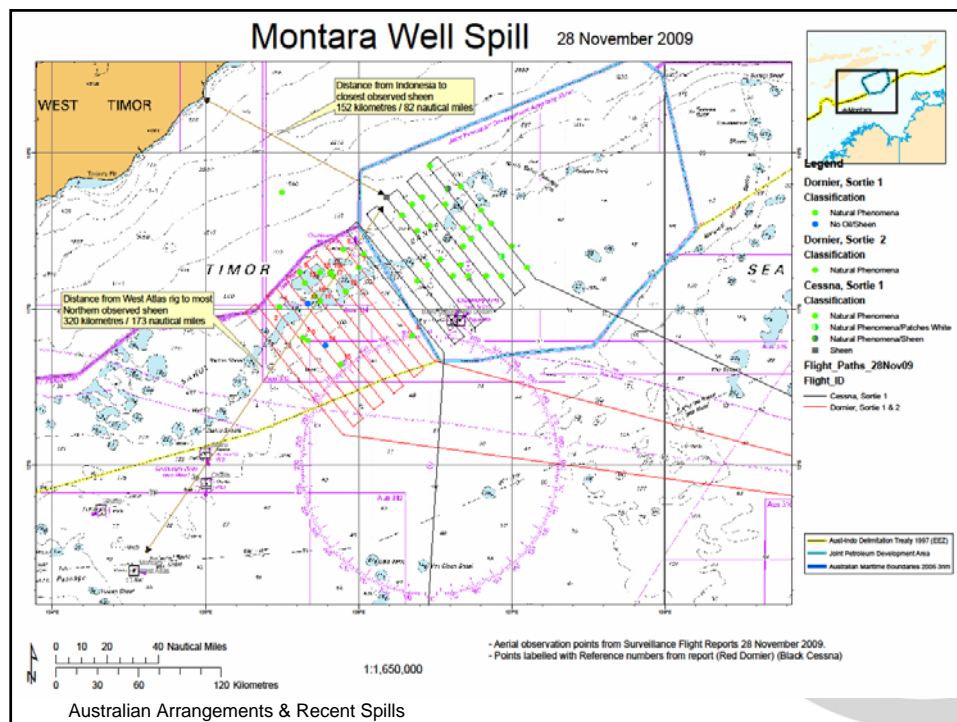


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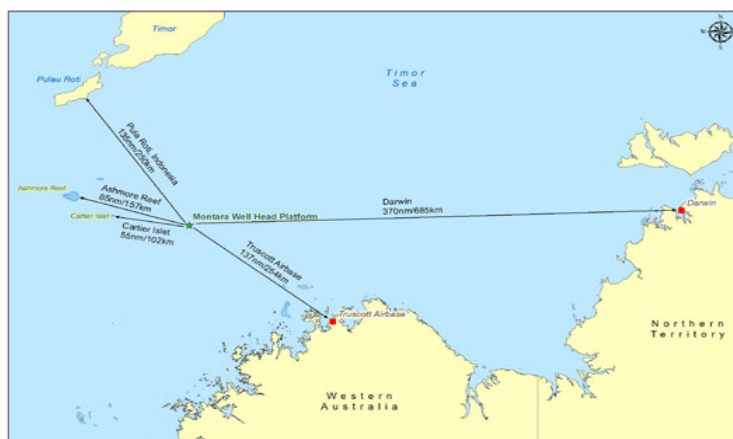
Mark Hamilton - Photography

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Montara Spill



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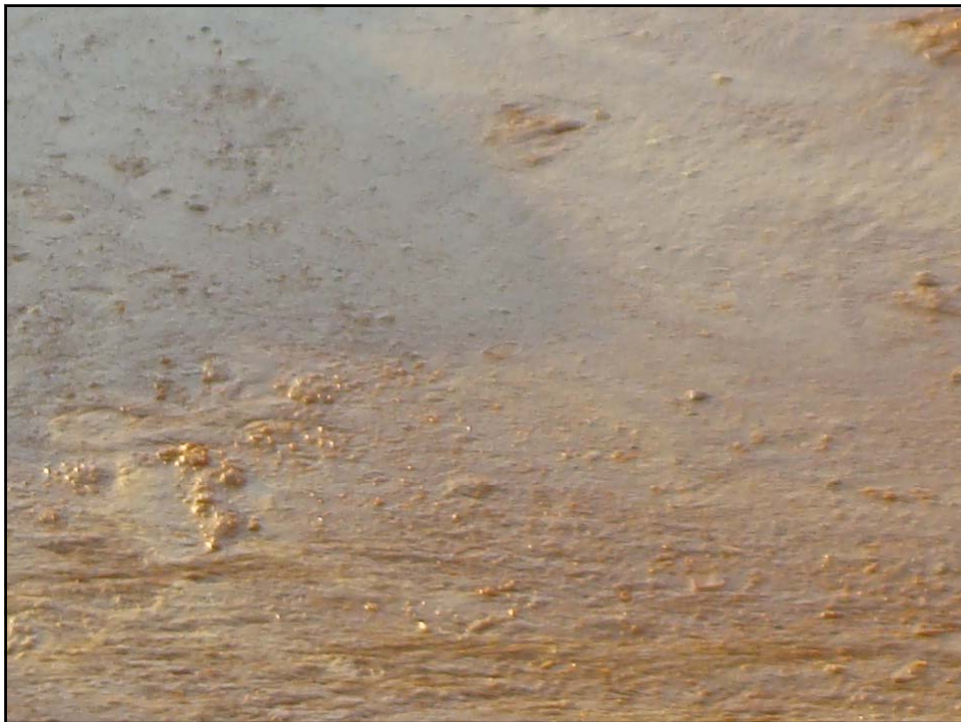
And now for a silent movie

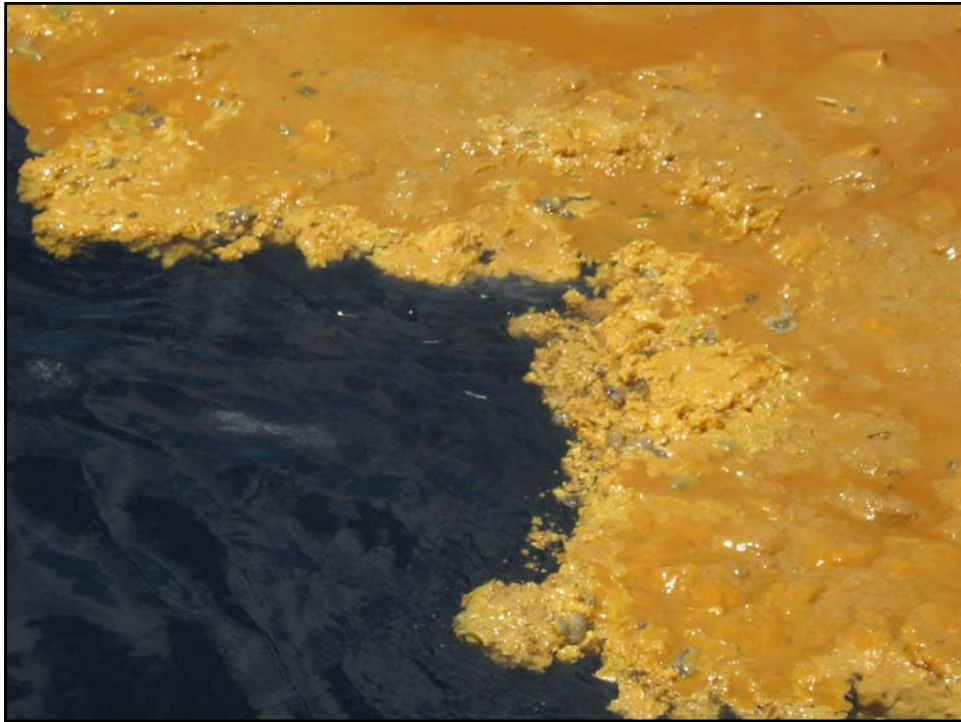


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Reality as always, is more demanding and punishing than exercise and planning.

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